



Practitioner's Docket No. 50275-014 (NTI-019-2)

PATENT

#5  
Sloate  
7/27/01

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re application of:** Christophe Pierrat, et al.

Assignee: Numerical Technologies, Inc.

Serial No.: 09/675,197

Group No: 2812

Filed: 09/29/2000

Examiner: unknown

For: "Dissection Of Edges With Projection Points In A Fabrication Layout For Correcting Proximity Effects"

RECEIVED  
JUL 5 2001  
TC 2800 MAIL ROOM  
Date: June 25, 2001

Assistant Commissioner for Patents  
Washington, D.C. 20231

**~~POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST~~  
(REVOCATION OF PRIOR POWERS)**

As assignee of record of the entire interest of the above identified application,

**REVOCATION OF PRIOR POWERS OF ATTORNEY**

all powers of attorney previously given are hereby revoked and

**NEW POWER OF ATTORNEY**

the following practitioners are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith:

|                      |                         |
|----------------------|-------------------------|
| Patrick T. Bever,    | Registration No. 33,834 |
| E. Eric Hoffman,     | Registration No. 38,186 |
| Jeanette S. Harms,   | Registration No. 35,537 |
| Edward S. Mao,       | Registration No. 40,713 |
| Julie A. Stephenson, | Registration No. 41,330 |
| John M. Kubodera,    | Registration No. 45,984 |
| Erik L. Oliver       | Registration No. 46,296 |

**SEND CORRESPONDENCE TO:**

Jeanette S. Harms, Esq.  
BEVER, HOFFMAN & HARMS, LLP  
2099 Gateway Place, Suite 320  
San Jose, CA 95110-1017

**DIRECT TELEPHONE CALLS TO:**

Jeanette S. Harms, Esq.  
Tel: (408) 451-5907  
Fax: (408) 451-5908

Assignment submitted to the PTO for recordation on April 26, 2001. The undersigned has not yet received the recorded Assignment showing the Reel and Frame numbers. Thus, a copy of the executed Assignment is attached to this document.

**ASSIGNEE STATEMENT**

Attached to this power is a "STATEMENT UNDER 37 C.F.R. 3.73(b)."

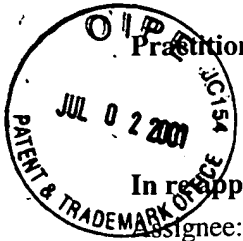
Date 26 Jun 2001



**Signature**

Name: Erik Oliver

Title: Director of Intellectual Property



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**STATEMENT UNDER 37 C.F.R. § 3.73(b)**  
**ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION**

1. The assignee of the entire right, title and interest hereby seeks to take action in the PTO in this matter.

**IDENTIFICATION OF ASSIGNEE**

2. Name of assignee: Numerical Technologies, Inc.  
Type of assignee: Corporation

**PERSON AUTHORIZED TO SIGN**

3. Name of person authorized to sign on behalf of assignee: Erik Oliver  
Title of person authorized to sign: Director of Intellectual Property

**BASIS OF ASSIGNEE'S INTEREST**

Ownership by the assignee is established as follows:

- A. An assignment (document) was submitted for recordation on April 26, 2001. The undersigned has not yet received the recorded Assignment showing the Reel and Frame numbers.

**COPIES OF DOCUMENTS IN CHAIN OF TITLE**

A copy of the assignment submitted for recordation on April 26, 2001, is attached.

Signature of authorized person

Name: Erik Oliver, Director of Intellectual Property

SIGNATURE OF PRACTITIONER

Jeanette S. Harms, Reg. No. 35,537

BEVER, HOFFMAN & HARMS, LLP

2099 Gateway Place, Suite 320

San Jose, CA 95110-1017

Tel. No.: (408) 451-5907

J-31-92

Patent and Trademark Office

Docket No.: 50275-00

## PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

|  |  |  |  |
|--|--|--|--|
| <b>1. Name of Conveying Party</b><br>CHRISTOPHE PIERRAT and YOUNG ZHANG<br><br>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes   |  | <b>2. Name and address of receiving party(ies):</b><br>Name: <u>Numerical Technologies, Inc.</u><br>Internal Address: _____<br><br>Street Address: <u>70 West Plumeria Drive</u><br><br>City: <u>San Jose</u> State/Country <u>CA</u> ZIP: <u>95134</u><br>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes |  |
| <b>3. Nature of Conveyance:</b><br><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Other _____<br>Execution Date: <u>March 12, 2001 and March 13, 2001</u>                                 |  |  |  |
| <b>4. Application number(s) or patent number(s):</b><br>If the document is being filed together with a new application, the execution date of the application is: _____<br>A. Patent Application No(s).<br><u>09/675,197 filed September 29, 2000</u><br>B. Patent No(s). _____<br>Additional numbers attached? <input type="checkbox"/> Yes |  |  |  |
| <b>5. Name and address of party to whom correspondence concerning Document should be mailed:</b><br>Name: <u>HICKMAN PALERMO TRUONG &amp; BECKER, LLP</u><br>Internal Address: _____<br>Street Address: <u>1600 Willow Street</u><br>City: <u>San Jose</u> State: <u>CA</u> Zip: <u>95125-5106</u>   |  | <b>6. Total number of applications and patents involved:</b> <u>1</u><br><br><b>7. Total fee (37 CFR 3.41)</b> <u>\$40.00</u><br><input checked="" type="checkbox"/> Enclosed<br><input type="checkbox"/> Authorized to be charged to deposit account<br><br><b>8. Deposit account number:</b><br><u>50-1302</u>                   |  |

DO NOT USE THIS SPACE

**9. Statement and signature.**

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Edward A. Becker, Reg. No. 37,777



April 25, 2001

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

ASSIGNMENT

WHEREAS WE, CHRISTOPHE PIERRAT, of Santa Clara, California, and YOUNG ZHANG, of Newark, California, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled DISSECTION OF EDGES WITH PROJECTION POINTS IN A FABRICATION LAYOUT FOR CORRECTING PROXIMITY EFFECTS, Serial No. 09/675,197 filed on September 29, 2000, for which an application for Letters Patent of the United States of America has been executed;

AND WHEREAS, NUMERICAL TECHNOLOGIES, INC., a corporation of the State of Delaware and having an address of 70 West Plumeria Drive, San Jose, CA 95134-2134 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Cisco Technology, Inc., its legal representatives, successors, and assigns ("Assignee"), the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said Assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and Assignee;

AND I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date

3/12/01

  
CHRISTOPHE PIERRAT

STATE OF CALIFORNIA )  
COUNTY OF \_\_\_\_\_ ) ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2001, before me personally appeared CHRISTOPHE PIERRAT, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

S E A L

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

3/13/01  
Date

  
YOUPING ZHANG

STATE OF CALIFORNIA )  
COUNTY OF \_\_\_\_\_ ) ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2001, before me personally appeared YOUPING ZHANG, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

S E A L

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_